

# Assault Amphibious Vehicle Reliability, Availability, Maintainability/Rebuild to Standard Program

## DESCRIPTION

The Assault Amphibious Vehicle (AAV) Reliability, Availability, Maintainability/ Rebuild to Standard (RAM/RS) acquisition program improves the Marine Corps’ ability to logistically support the AAV Family of Vehicles (AAV FOV). The program replaces the AAV’s suspension system with one derived from the U.S. Army’s Bradley Fighting Vehicle. A 525-horsepower Cummins V903 engine, also derived from the Bradley, replaces the current 400-horsepower engine. The HS-400 transmission is rebuilt with modifications, including a new torque converter, to change it to the HS-525 configuration. The remainder of the vehicle is rebuilt to original specifications.

## OPERATIONAL IMPACT

The AAV RAM/RS improves the reliability and supportability of the AAV FOV, while also improving Marine Air-Ground Task Force (MAGTF) mobility and survivability. This will ensure the viability of the AAV until the full fielding of the Expeditionary Fighting Vehicle (EFV) in FY 2020.

## PROGRAM STATUS

RAM/RS production started in FY 1999 and program completion is projected for FY 2007. A total of 1,057 vehicles will be rebuilt (930 P-variants, 76 C-variants, and 51 R-variants).

Procurement Profile:      FY 06    FY07  
Quantity:                      13       0  
Developer/Manufacturer:  
Hull Modifications: BAE Systems, Marine Corps Systems Division, Albany, GA and Ground Systems Division, York, PA.  
Engines: Cummins Inc., Columbus, IN.  
Vehicle disassembly, component rebuild, vehicle assembly: Maintenance Center Albany, MCLB Albany, GA.